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JAN 17 1968

CURRENT SERIAL RECORDS

# **WATER SUPPLY OUTLOOK FOR NEVADA**

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,

and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF  
JAN. 1, 1968

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

D.A. WILLIAMS  
ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.

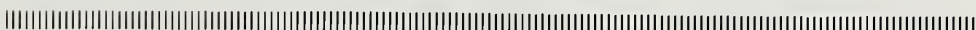


*Released by*

CHARLES W. CLEARY, JR.  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
RENO, NEVADA

*In Cooperation with*

ELMO J. DE RICCO  
DIRECTOR  
DEPARTMENT OF CONSERVATION AND  
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CARSON CITY, NEVADA



*Report prepared by*

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# INDEX TO NEVADA SNOW COURSES

( By Basins )

NUMBER NAME SEC. TWP. RGE. ELEV.

## SLAKE RIVER BASIN

### SLAKE RIVER

15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REO POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

### OWYHEE RIVER

15H4MP	BIG BENO	30	45N	56E	6700
16H8a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

## INTERIOR

### UPPER HUMBOLOT RIVER

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

### LOWER HUMBOLOTT RIVER

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	35E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	2	11N	40E	7500
17H3	MARTIN CREEK	16	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

### EASTERN NEVADA

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	62E	7875	
15L1	WHITE RIVER #1	31	13N	59E	7400

### CENTRAL GREAT BASIN

18M2	CAMPITO MTN. (CAL.)	19	5S	35E	10200
18M5a	CHICTOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

### NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	ONTO CREEK (OREG.)	14	41S	34E	6000
18H1	OLASATER PEAK	8	47N	34E	6500
20H3a	OLSMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	16E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIGGE	9	47N	41E	6300
20H4	RESERVATIIN CREEK (CAL.)	12	46N	15E	5900
18G5b	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER NAME SEC. TWP. RGE. ELEV.

## LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHAROSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000
20K25STZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750

## TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DOONER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DOONER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

## CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6a	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

## WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBLOLL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23 stz	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22 stz	VIRGINIA LAKES RIGGE	32	3N	25E	9200

## COLORADO

### LOWER COLORADO RIVER

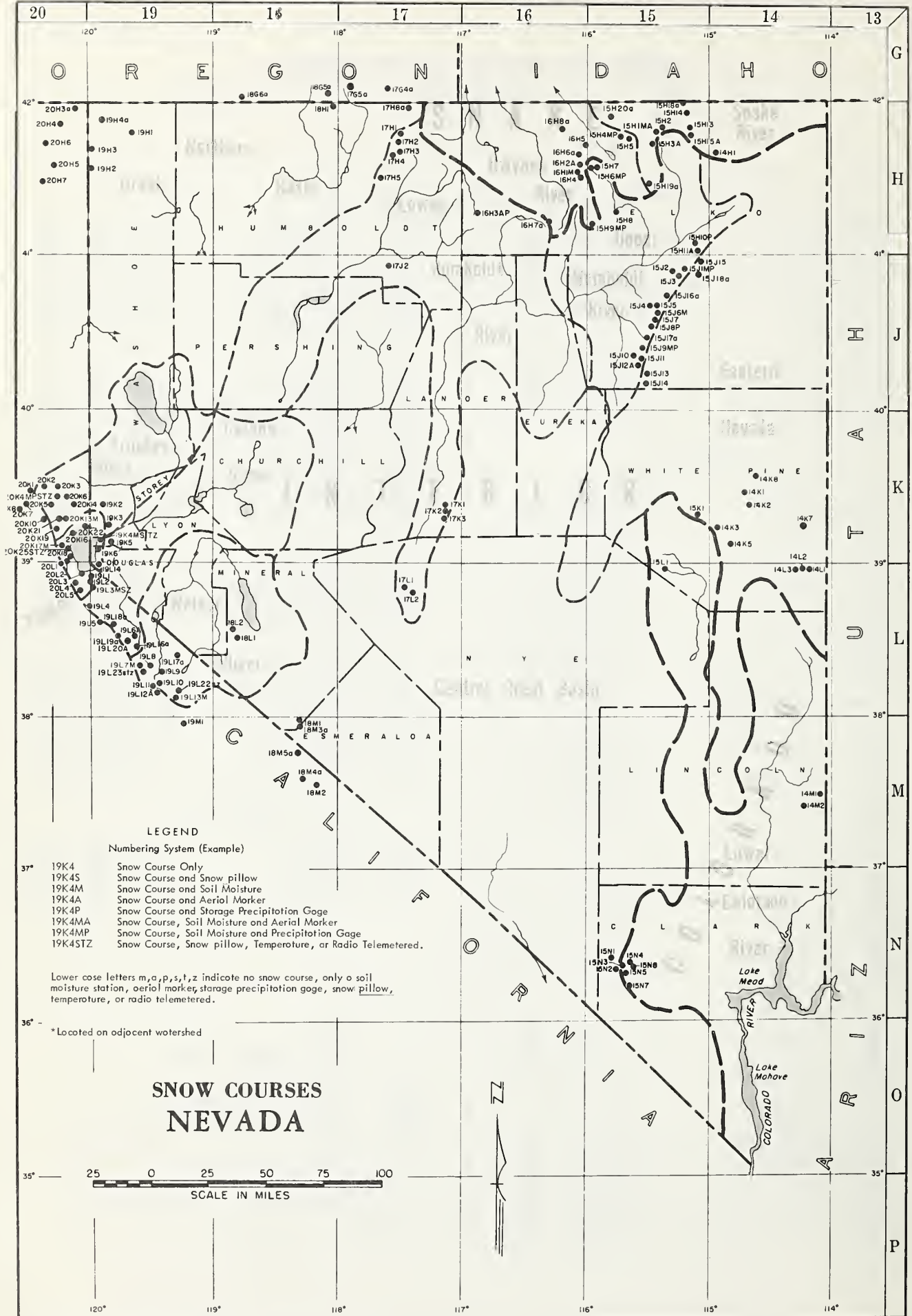
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

## LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K4STZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERO.

LOWER CASE LETTERS m, a, p, s, t, z, INOICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERO.

\*LOCATED ON ADJACENT WATERSHED





WATER SUPPLY OUTLOOK  
FOR NEVADA

January 1, 1968

\* \* \* \* \*  
\* Nevada's 1968 water supply outlook ranges from below average \*  
\* on the Owyhee and Humboldt drainages to near average on the \*  
\* Truckee, Carson, and Walker drainages. January 1 snow \*  
\* measurements were well below average in northeastern Nevada \*  
\* and slightly below average along the east slope of the Sierras. \*  
\* Watershed soils are wetter than last year at this time. Above- \*  
\* average reservoir storage assures water users along the \*  
\* Sierras a good 1968 season, while water users on the Owyhee and \*  
\* Humboldt have only a near-average carry-over storage. \*  
\* \* \* \* \*

Weather patterns in late November and early December deposited a good cover of snow over most of the state. Cold air masses even caused snow at lower elevations in southern Nevada. Late December warm weather caused much lower-elevation snow to melt before January 1 snow surveys.

Measurements on the Owyhee River showed only a trace of snow, and measurements taken on the Humboldt were only 25 percent of the 1948-62 January 1 average.

Snow surveys on the Tahoe-Truckee watersheds indicate a little less water content in the snow than last year at this time and slightly below the usual amount for January 1, although January 1 measurements have not been taken long enough to establish a 1948-62 average for comparison.

Limited measurements on the Carson-Walker River drainages show only about half as much snow water as last January 1 and about 20 percent below the average for the last six years.

Lower-elevation soils have been well primed by melting snow and rain in the northeastern part of the state and are a little wetter than the last two years. Sierra soils are wetter than last year but not as wet as two years ago.

Reservoir storage is well above average along the Sierra front and should assure water users an adequate supply for the 1968 season. Rye Patch Reservoir has about 50,000 acre-feet of stored water, but, with the low snow pack on the upper watershed, users of water on the Humboldt may be faced with less than average water supplies this year.

Streamflow for the October-December period has varied from 57 percent of average on the Owyhee to 102 percent on the Humboldt. Streams in northern and western Nevada ran well below average in December, while the Virgin River at Littlefield, Arizona, ran 104 percent of average for the month.

Streamflow forecasts will be issued in the February 1 Water Supply Outlook bulletin, and a wider coverage of snow surveys will be taken the last week of January.



NEVADA  
STATUS OF RESERVOIR STORAGE

January 1, 1968

			USABLE STORAGE - 1000 ACRE FEET				
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	1968	1967	1966	JAN. 1	CHANGE
						15-YR. AVE. 1948-62	Since Sept. 30, 1967
Owyhee	Wild Horse	33	4	2	16	11	0
Lower Humboldt	Rye Patch	179	50	68	181	53	- 7
Colorado	Mohave	1,810	1,734	1,574	1,738	1,250 **	+332
Colorado	Mead	27,217	14,338	15,481	15,233	17,944	- 37
Tahoe	Tahoe	732	547	364	602	362	- 59
Truckee	Boca	41	2	2	2	12	- 24
Truckee	Prosser ***	30	10	8	8	Storage began 1/30/63	- 9
Carson	Lahontan	286	213	117	229	142	+ 11
West Walker	Topaz	59	50	20	48	23	+ 9
East Walker	Bridgeport	42	38	19	32	20	+ 9

\* Reservoir drained during summer 1964 to effect repairs to dam.

\*\* 1950-62.

\*\*\* Flood control use allocation of 20,000 A.F. between November 1 and April 10.

TOTAL RESERVOIR STORAGE

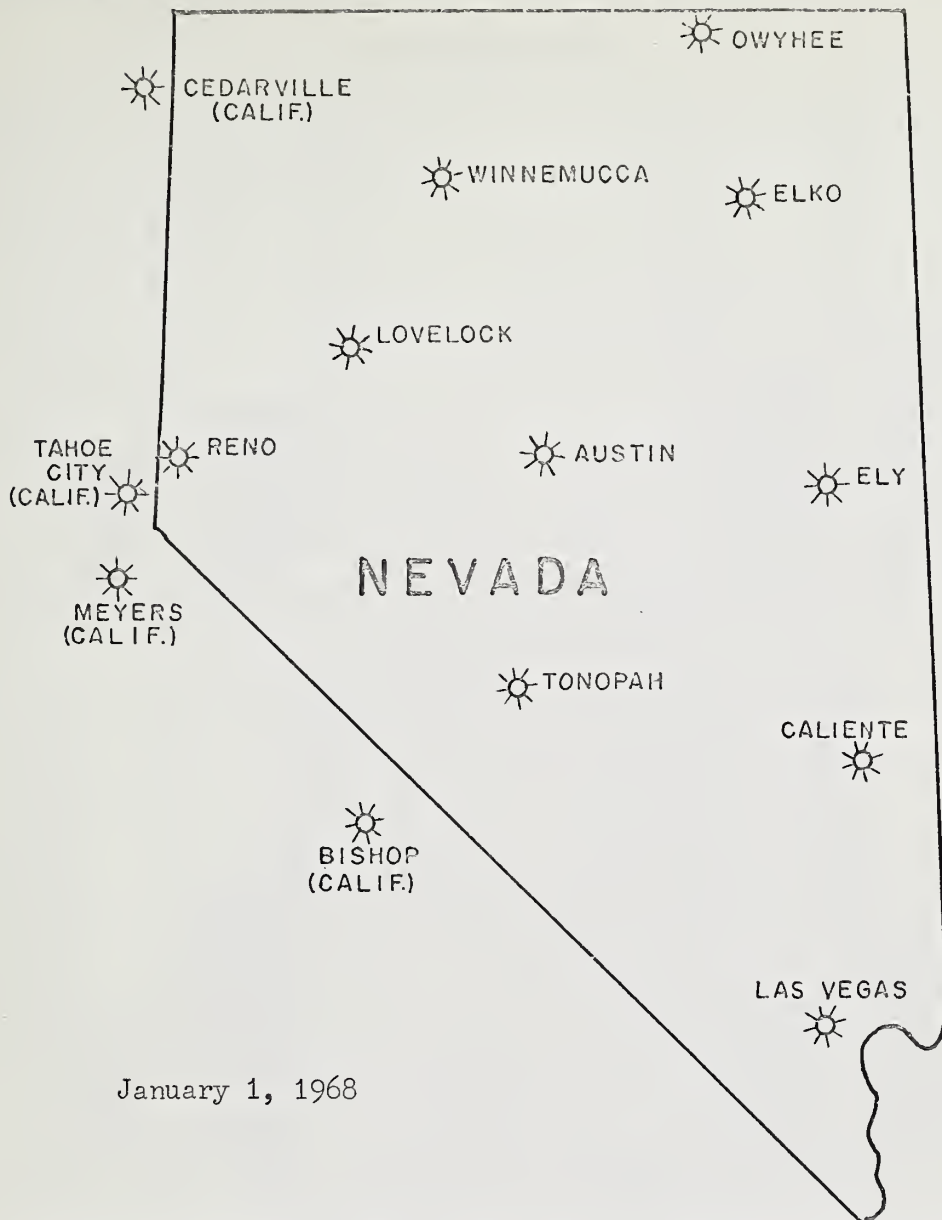
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,  
and Bridgeport Reservoirs in 1000's Acre Feet

MONTH	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	AVERAGE 1948-62
October 1	338	702	497	1136	559	965	572
January 1	408	748	789	1110	593	904	622
February 1	579	776	922	1050	736		670
March 1	690	774	949	1038	792		725
April 1	765	779	1002	1055	943		776
May 1	840	818	1103	1092	978		834

TOTAL USABLE CAPACITY 1,372



# SELECTED PRECIPITATION STATIONS<sup>a</sup>



January 1, 1968

PRECIPITATION (Inches)					
STATION	LAST MONTH	WATER YEAR <sup>b</sup> TO DATE	STATION	LAST MONTH	WATER YEAR <sup>b</sup> TO DATE
Cedarville (Calif.)	0.63	3.29	Owyhee	1.74	3.15
Tahoe City (Calif.)	4.32	7.87	Elko	0.66	1.53
Meyers (Calif.)	3.82	8.09	Ely	0.69	1.66
Bishop (Calif.)	NA	-	Austin	0.27	0.86
Reno	0.55	0.81	Tonopah	0.23	1.15
Lovelock	0.10	0.52	Caliente	0.88	1.86
Winnemucca	0.32	1.14	Las Vegas	0.82	0.97

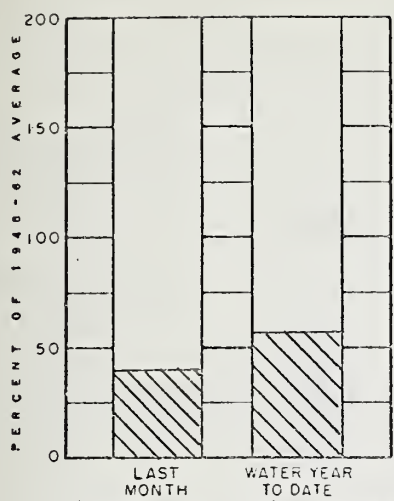
(a) Preliminary Data furnished by U.S. Weather Bureau (b) Oct. 1 to date (c) Report delayed



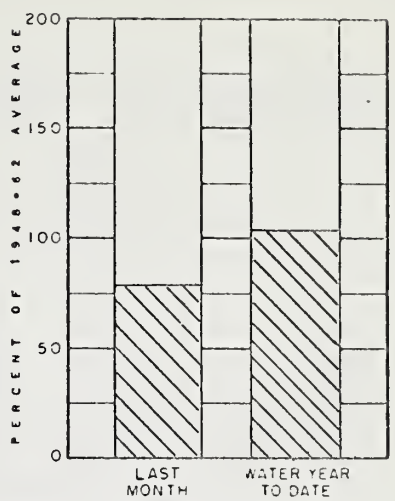


# SELECTED CURRENT STREAMFLOW STATIONS

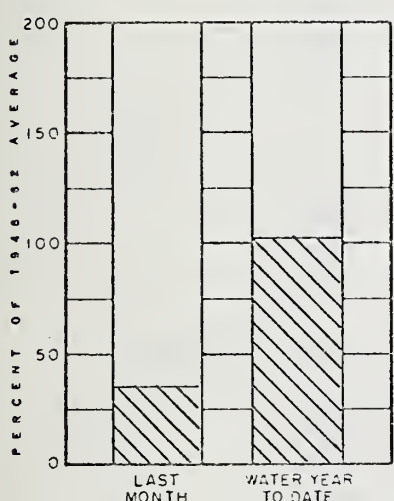
January 1, 1968



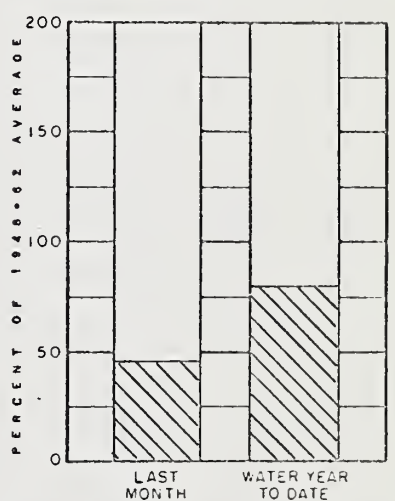
Owyhee near Owyhee, Nev.



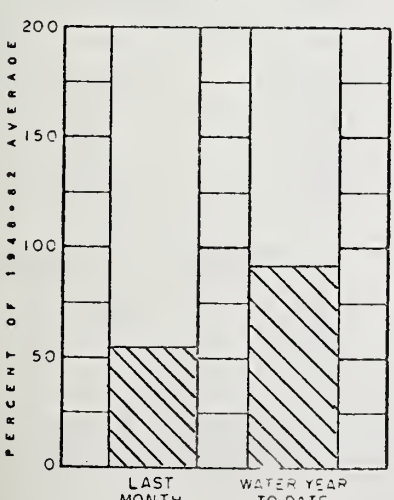
Humboldt at Palisade, Nev.



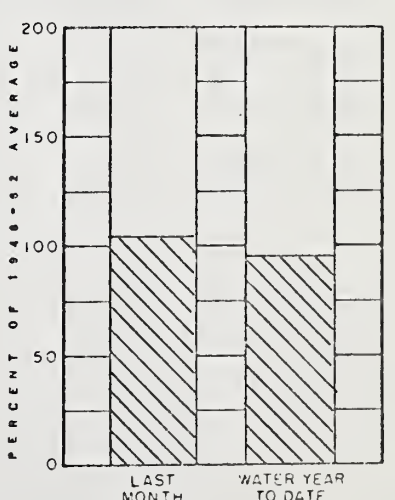
Truckee at Farad, Calif.



Carson near Carson City, Nev.



W. Walker near Coleville, Calif.



Virgin at Littlefield, Ariz.



# NEVADA SNOW SURVEYS

January 1, 1968

Drainage Basin and Snow Course		SNOW COURSE MEASUREMENTS						
		1968			Past Record Water Content			
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	1967	1966	15-Yr. 1948-62 Average	Jan. 1 Apr. 1
<u>SNAKE RIVER</u>								
Bear Creek	7800	12/31/67	26a	8.2	-	4.6a	7.3 *	21.0
Goat Creek	8800	12/31/67	18a	5.7	-	3.5a	6.6 *	19.5 *
Hummingbird Springs	8945	12/31/67	25a	7.9	-	6.1a	6.8 *	23.0 *
Pole Creek R. S.	8330	12/29/67	24	7.6	9.9	4.4	6.5 *	20.2 *
Red Point	7940	12/31/67	13a	4.1	-	1.8a	-	-
<u>OWYHEE RIVER</u>								
Big Bend	6700	12/28/67	T	T	2.7	1.7	3.5 *	10.7
Gold Creek	6600	12/28/67	0	0.0	2.2	0.2	2.2 *	6.5
Taylor Canyon	6200	12/29/67	T	T	3.1	2.3	1.8 *	3.7
<u>HUMBOLDT RIVER</u>								
Fry Canyon	6700	12/28/67	6	1.7	3.3	2.5	3.1 *	8.9
Rodeo Flat	6800	12/28/67	T	T	2.4	2.4	3.4 *	8.2
76 Creek	7100	12/31/67	10a	3.2	-	-	-	14.5 *
Tremewan Ranch	5700	12/28/67	T	T	1.0	1.9	0.4 *	0.7
<u>LAKE TAHOE-TRUCKEE RIVER</u>								
Donner Summit	6900	12/28/67	42	14.2	-	-	-	39.5
Echo Summit	7450	12/29/67	34	9.8	-	-	-	38.2
Freel Bench	7300	12/28/67	18	5.0	5.2	7.1	-	12.1
Glenbrook #2	6900	12/30/67	16	4.6	4.6	-	-	13.0
Hagans Meadow	8000	12/28/67	19	5.2	9.1	9.8	-	18.6
Independence Camp	7000	12/27/67	31	8.9	9.0	-	-	24.4
Marlette Lake	8000	12/26/67	28	8.5	10.4	-	-	21.0
Richardsons #2	6500	12/30/67	29	7.5	6.2	10.9	-	17.9
Tahoe City	6250	12/30/67	20	6.3	4.5	8.4	-	10.8
Truckee #2	6400	12/30/67	24	7.1	-	-	-	16.2 *
Upper Truckee	6400	12/28/67	19	5.0	3.8	6.6	-	8.4
Ward Creek #3	6750	12/28/67	43	12.6	15.6	-	-	-
<u>CARSON-WALKER RIVERS</u>								
Sonora Pass	8800	12/27/67	26	7.5	13.9	14.0	-	23.5
Virginia Lakes	9500	12/26/67	20	5.8	12.3	9.8	-	17.5

\* Adjusted 15-year average.

a Aerial snow depth gage reading; water content estimated.





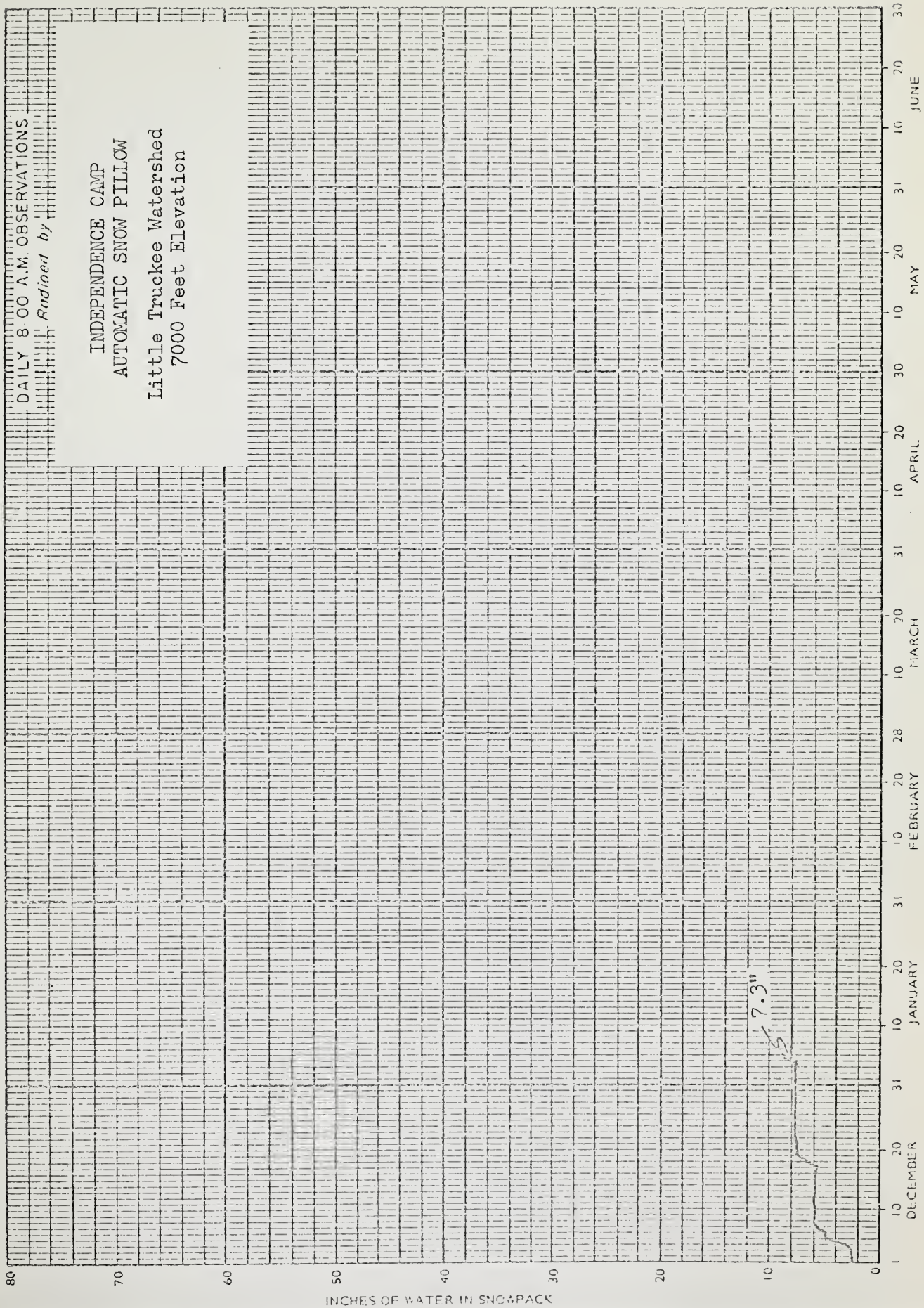
NEVADA SOIL MOISTURE

January 1, 1968

BASIN AND STATION	Elevation	PROFILE (Inches)			SOIL MOISTURE			
		Depth	Capacity	Date	This Year	Summer 1967	Last Year	2 Years Ago
<u>OWYHEE-HUMBOLDT</u>								
Big Bend	6700	48	16.7	12/28/67	14.7	15.0	15.5	14.6
Rodeo Flat	6800	42	11.0	12/28/67	10.4	9.9	9.1	10.6
Taylor Canyon	6200	48	15.1	12/29/67	14.5	11.3	11.6	12.4
<u>TAHOE-TRUCKEE</u>								
Independence Camp	7000	34	6.1	12/27/67	4.9	3.1	5.5	-
Marlette Lake	8000	50	3.7	12/26/67	2.5	1.2	2.7	-
Ward Creek	7000	49	5.8	12/28/67	4.8	1.1	5.5	-



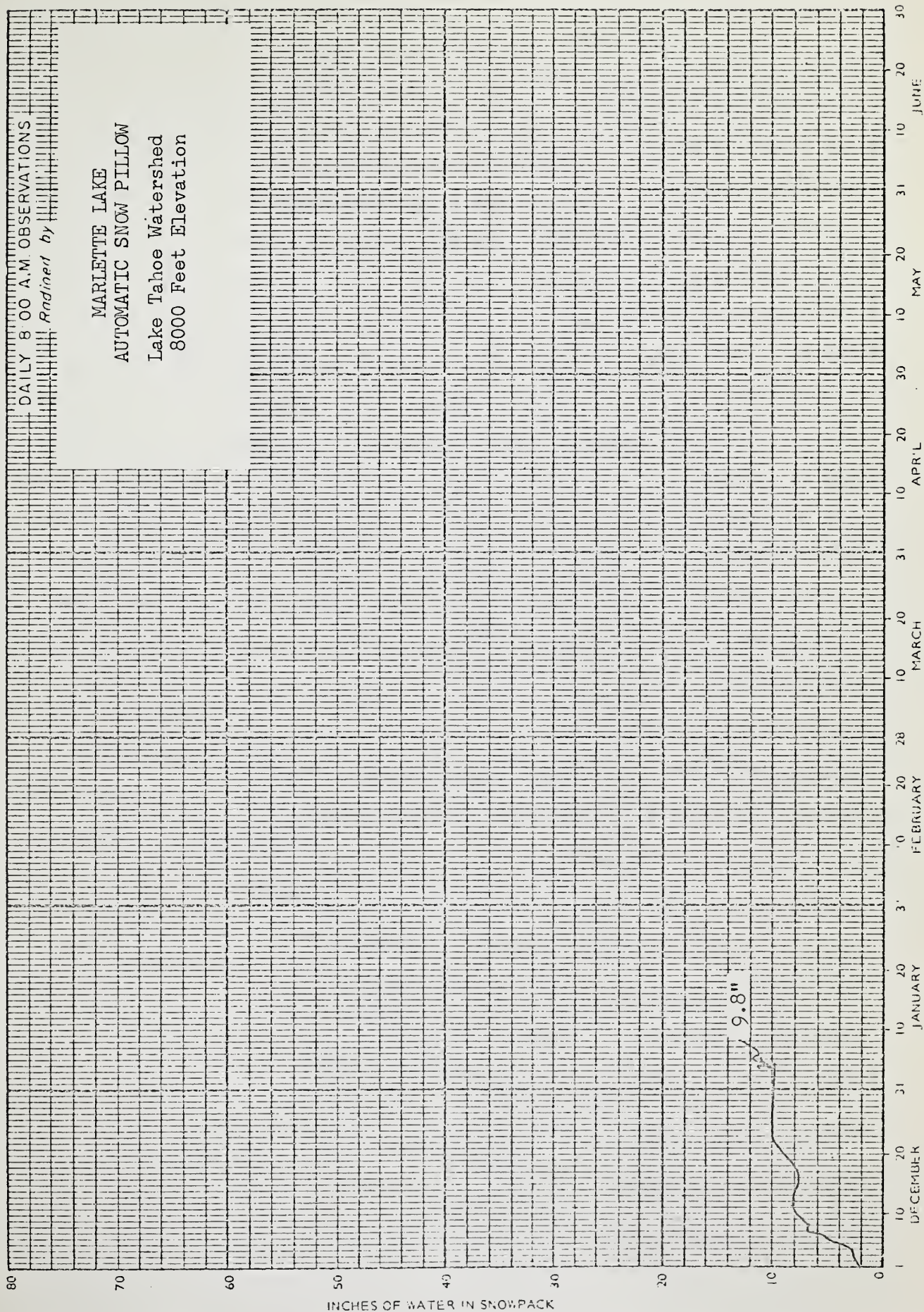
# U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION







# U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION





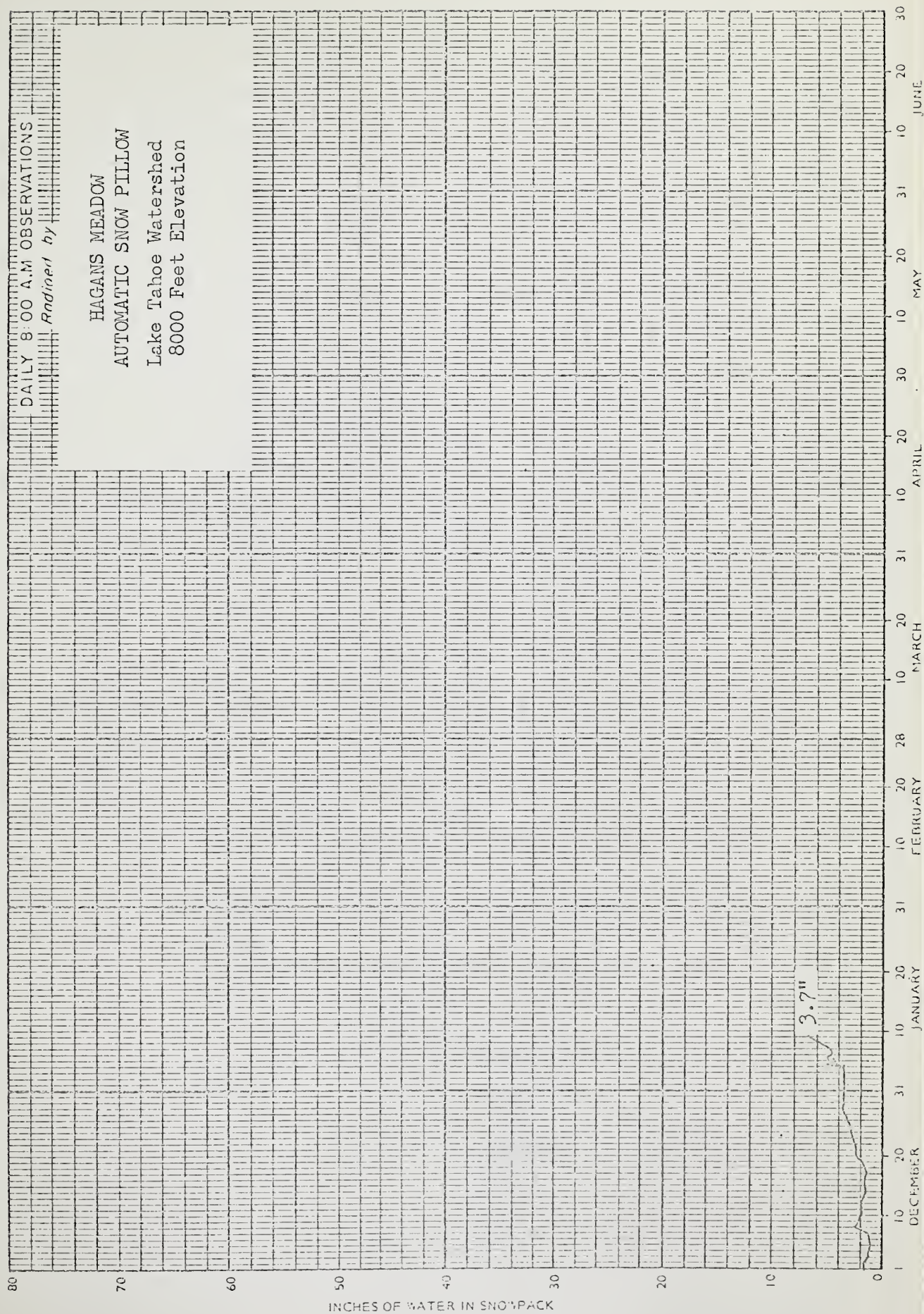


## U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

Revised by

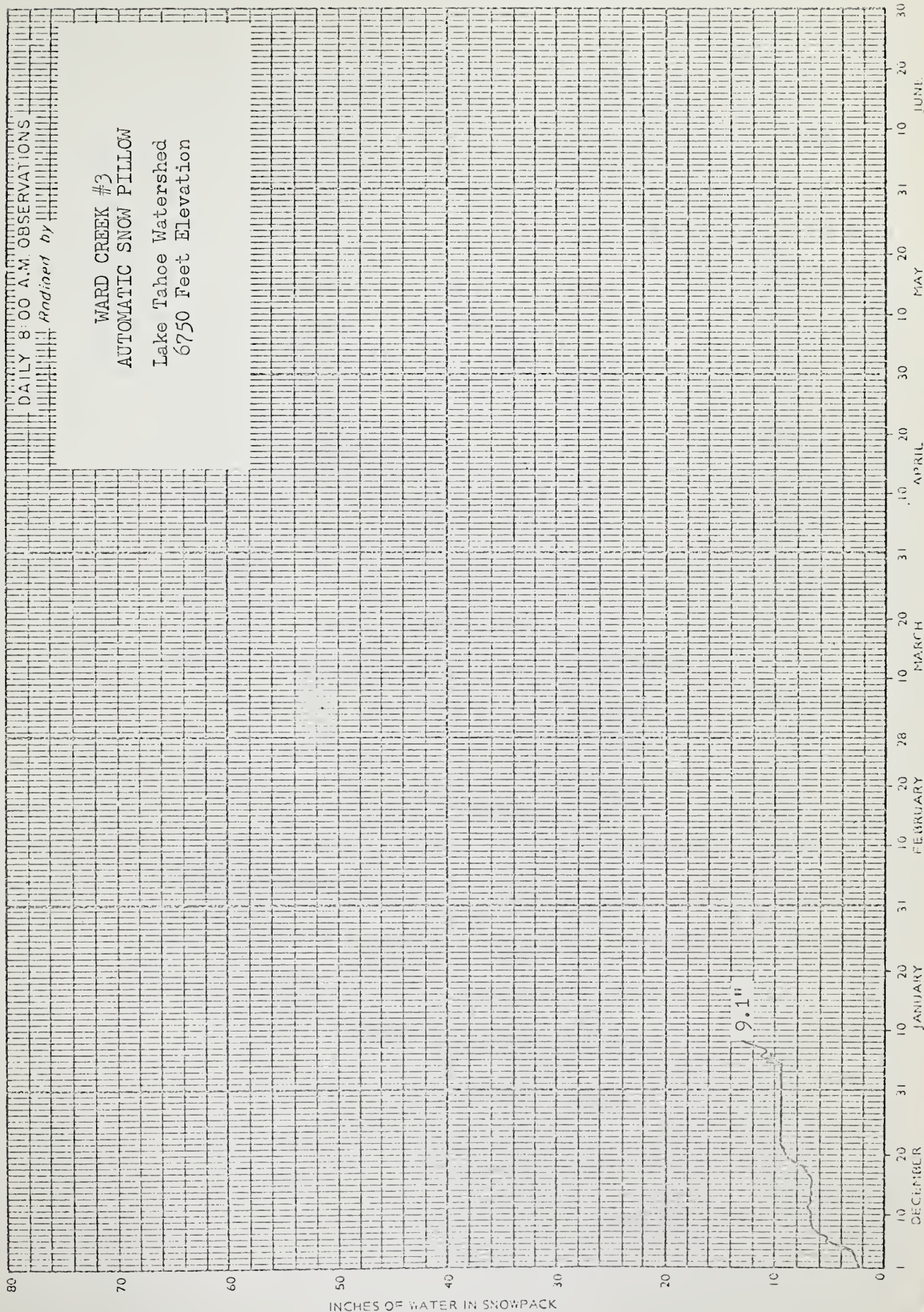
HAGANS MEADOW  
AUTOMATIC SNOW PILLOW  
Lake Tahoe Watershed  
8000 Feet Elevation







# U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION







# U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

*Redlined by*

SONORA PASS BRIDGE  
AUTOMATIC SNOW PILLON  
West Walker Watershed  
8800 Feet Elevation



INCHES OF WATER IN SNOWPACK





# U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

Revised by

VIRGINIA LAKES RIDGE  
AUTOMATIC SNOW PILLOW  
East Walker Watershed  
9200 Feet Elevation



INCHES OF WATER IN SNOWPACK



## Agencies Cooperating in Collecting Data Contained in this Bulletin

### FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

### STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

### PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.



UNITED STATES DEPARTMENT OF AGRICULTURE  
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with the Snow Survey"*